Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method of detecting states that are activated by a computer unit, in order to detect an unauthorized behavior or an unauthorized software program, the method comprising:

transmitting a structured signal file to a monitor station, wherein the structured signal file includes an initial recording of registry information from an internal registry in the computer unit, initial internal directory information and initial file information that are required during boot-up of an operating system in the computer unit, and initial internal directory information and initial file information that are required when the operating system initiates a third-party software program;

checking a set of values in a memory area of the computer unit or in a proprietary file stored within the computer unit, with each set of values corresponds to a state activated by the computer unit, wherein the checking includes calculating a maximum base count for entries in a defined registry segment in the internal registry in the computer unit in order to determine if any registry data in the defined registry segment has been modified;

if registry data in the defined registry segment has been modified, then transmitting to the monitor station a first signal probe alert which indicates the defined registry segment which has been modified, and comparing the defined registry segment with the initial recording of the registry information;

monitoring all directory information and file information required during boot-up of the operating system in the computer unit;

if a new directory in the directory information is detected with a new software program, then transmitting to the monitor station a second signal probe alert which indicates the new directory, and comparing the new directory with the initial internal directory information and initial file information that are required during boot-up of the operating system;

monitoring all directories and files that are required to initiate third party software programs; and

if a third party software program initiates and modifies any of the directories or files that are required to initiate third party software programs, then transmitting to the monitor station a third signal probe alert which indicates the modified directory or modified file, and comparing the modified directory or modified file with initial internal directory information and initial file information that are required when the operating system initiates a third-party software program

~~and~~

~~capturing each set of values to determine each state activated by the computer unit~~.

Claim 2 (Original): The method of claim 2 wherein the checking the set of values comprises:

initiating a parallel registry segment thread.

Claim 3 (Original): The method of claim 2 wherein the initiating the parallel registry segment thread comprises:

collecting registry data.

Claim 4 (currently amended): The method of claim 1 wherein the ~~checking the set of values~~ monitoring all directory information and file information required during boot-up of the operating system in the computer unit comprises:

initiating a parallel operating system segment thread.

Claim 5 (Original): The method of claim 4 wherein the initiating the parallel operating system segment thread comprises:

analyzing at least one of an operating system directory structure, "root" and all directories and sub-directories.

Claim 6 (currently amended): The method of claim 1 wherein the ~~checking the set of values~~ monitoring all directories and files that are required to initiate third party software programs comprises:

initiating a parallel third party segment thread.

Claim 7 (Original): The method of 6 wherein the initiating the parallel third party segment thread comprises:

scanning all third party start up files and all initialization files.

Claim 8 (Original): The method of claim 1 wherein the checking the set of values comprises:

initiating a polling thread.

Claim 9 (Original): The method of claim 8 wherein the initiating the polling thread comprises:

loading configuration data into memory.

Claim 10 (Original): The method of claim 8 wherein the initiating the polling thread comprises:

loading stored directory configuration data to memory.

Claim 11 (Original): The method of claim 8 wherein the initiating the polling thread comprises:

loading a third party start up information into memory.

Claim 12 (Original): The method of claim 8 wherein the initiating the polling comprises:

detecting for an unauthorized modification.

Claim 13 (cancelled):

Claim 14 (currently amended): An article of manufacture, comprising:

a machine-readable medium having stored thereon instructions to:

transmit a structured signal file to a monitor station, wherein the structured signal file includes an initial recording of registry information from an internal registry in the computer unit, initial internal directory information and initial file information that are required during boot-up of an operating system in the computer unit, and initial internal directory information and initial file information that are required when the operating system initiates a third-party software program;

check a set of values in a memory area of the computer unit or in a proprietary file stored within the computer unit, with each set of values correspond to a state activated by the computer unit, wherein the checking includes calculating a maximum base count for entries in a defined registry segment in the internal registry in the computer unit in order to determine if any registry data in the defined registry segment has been modified;

if registry data in the defined registry segment has been modified, then transmit to the monitor station a first signal probe alert which indicates the defined registry segment which has been modified, and compare the defined registry segment with the initial recording of the registry information;

monitor all directory information and file information required during boot-up of the operating system in the computer unit;

if a new directory in the directory information is detected with a new software program, then transmit to the monitor station a second signal probe alert which indicates the new directory, and compare the new directory with the initial internal directory information and initial file information that are required during boot-up of the operating system;

monitor all directories and files that are required to initiate third party software programs; and

if a third party software program initiates and modifies any of the directories or files that are required to initiate third party software programs, then transmit to the monitor station a third signal probe alert which indicates the modified directory or modified file, and compare the modified directory or modified file with initial internal directory information and initial file information that are required when the operating system initiates a third-party software program

~~and~~

~~capture each set of values to determine each state activated by the computer unit~~.

Claim 15 (currently amended): An apparatus for detecting states that are activated by a computer unit, in order to detect an unauthorized behavior or an unauthorized software program, the apparatus comprising:

means for transmitting a structured signal file to a monitor station, wherein the structured signal file includes an initial recording of registry information from an internal registry in the computer unit, initial internal directory information and initial file information that are required during boot-up of an operating system in the computer unit, and initial internal directory information and initial file information that are required when the operating system initiates a third-party software program;

means for checking a set of values in a memory area of the computer unit or in a proprietary file stored within the computer unit, with each set of values correspond to a state activated by the computer unit, wherein the checking includes calculating a maximum base count for entries in a defined registry segment in the internal registry in the computer unit in order to determine if any registry data in the defined registry segment has been modified;

means for transmitting to the monitor station a first signal probe alert which indicates the defined registry segment which has been modified, and for comparing the defined registry segment with the initial recording of the registry information, if registry data in the defined registry segment has been modified;

means for monitoring all directory information and file information required during boot-up of the operating system in the computer unit;

means for transmitting to the monitor station a second signal probe alert which indicates the new directory, and for comparing the new directory with the initial internal directory information and initial file information that are required during boot-up of the operating system, if a new directory in the directory information is detected with a new software program;

means for monitoring all directories and files that are required to initiate third party software programs; and

means for transmitting to the monitor station a third signal probe alert which indicates the modified directory or modified file, and for comparing the modified directory or modified file with initial internal directory information and initial file information that are required when the operating system initiates a third-party software program, if a third party software program initiates and modifies any of the directories or files that are required to initiate third party software programs

~~and~~

~~communicatively coupled to the checking means, means for capturing each set of values to determine each state activated by the computer unit~~.

Claim 16-39 (previously canceled)

Claim 40 (new): The method of claim 1, further comprising:
restoring the modified registry segment to an original state.

Claim 41 (new): The method of claim 1, further comprising:
removing the new directory in the directory information.

Claim 42 (new): The method of claim 1, further comprising:
restoring the modified directory or modified file that are required to initiate third party software programs to an original state.

Claim 43 (new): The article of claim 14, further comprising:

a machine-readable medium having stored thereon instructions to:

restore the modified registry segment to an original state.

Claim 44 (new): The article of claim 14, further comprising:

a machine-readable medium having stored thereon instructions to:

remove the new directory in the directory information.

Claim 45 (new): The article of claim 14, further comprising:

a machine-readable medium having stored thereon instructions to:

restore the modified directory or modified file that are required to initiate third party software programs to an original state.

Claim 46 (new): The apparatus of claim 15, further comprising:

means for restoring the modified registry segment to an original state.

Claim 47 (new): The apparatus of claim 15, further comprising:

means for removing the new directory in the directory information.

Claim 48 (new): The apparatus of claim 15, further comprising:

means for restoring the modified directory or modified file that are required to initiate third party software programs to an original state.